

**In the Specification:**

Please amend the specification as shown:

Please delete the paragraph on page 31, line 39 to page 32, line 6 and replace it with the following paragraph:

*Fig. 5. The His/Pro-rich domain of HRGP inhibits chemotaxis.*

- A. Schematic overview of HRGP and truncated versions (His 2-5). The ability to inhibit FGF-2-induced chemotaxis of endothelial cell is indicated by +/- (6xHis tag disclosed as SEQ ID NO: 29).
- B. Quantification of the inhibitory effect of His 5 on FGF-2 induced chemotaxis of endothelial cells.
- C. Western blot (WB) of mature HRGP using the peptide antibodies 0115, 0116 and 0119 gives different patterns of immunoreactivity (10% SDS-PAGE).
- D. Western blot of the subfragment His 5 using antibody 0119 yields immunoreactivity with one peptide migrating around 30 kDa (12.5% SDS-PAGE).

Please delete the paragraph on page 33, lines 34-41 and replace it with the following paragraph:

Full length cDNA encoding human HRGP including the signal sequence (amino acid residues 1-18) was cloned into the pCEP-Pu2 (Vernersson et al 2002) expression vector. Expression vectors for His-tagged HRGP variants were also constructed using the same vector. The truncations were produced by PCR-amplification of shorter parts of the protein. N-terminally of the HRGP coding region, a His-tag (six histidine residues (SEQ ID NO: 29)) was added to enable purification. An enterokinase cleavage site was introduced between the His-tag and the HRGP coding region, to allow removal of the His-tag. In these vectors, the HRGP signal sequence was excluded and instead, the PCR-product was ligated in frame with the BM40 signal sequence in pCEP-Pu2.

Please delete the paragraph on page 38, lines 21-25 and replace it with the following paragraph:

Purified HRGP was separated on 10% (pHRGP, rHRGP and His-HRGP) or 12.5% SDS-PAGE (His 5). The monoclonal mouse anti-human HRGP antibody M037 (Takara) was used at 0.05 mg/ml and the rabbit polyclonal peptide antibodies 0115, 0116 and 0119 were used at a 1:5000 dilution. For detection of His-tagged proteins an anti-penta His (SEQ ID NO: 30) antibody, directly conjugated to HRP (34460; Qiagen) was used at 1:5000 dilution.

Please delete the paragraph on page 40, lines 16-19 and replace it with the following paragraph:

The 0119-antiserum was produced by immunizing rabbits with a 25 amino acid residue peptide with the following sequence: CRHSHNNNSSLHPHKHHSEQPH (denoted 0119 peptide) (SEQ ID NO: 31). Residues 2-25 correspond to amino acid residues 321-344 of human HRGP. An N-terminal cysteine residue was added to the peptide to increase its stability and to allow coupling.

Please delete the paragraphs on page 41, lines 6-20 and replace them with the following paragraphs:

Synthetic peptides were produced by Multiple Peptide Systems, San Diego CA, USA, and dissolved in 1mM ZnCl<sub>2</sub>/0.5xPBS at a stock concentration of 1 mg/ml. The sequences of the peptides were as follows:

Pep 8: DLHPHKHHSEQPHG (SEQ ID NO: 15)

Pep 9A: KHHSSEQHPHGHHPHAHHPHEHDTHG (SEQ ID NO: 16)

Pep 10: AHHPHEHDTHRQHPHG (SEQ ID NO: 18)

Pep 11A : DLHPHEQHPHEHDTHG (SEQ ID NO: 19)

Some peptides were synthesized with an amidated carboxy terminus and an acetylated aminoterminus;

Pep 12A: Ac-AHHPHEHDTHRQHPH-NH2 (**SEQ ID NO: 21**)

Pep 13A: Ac-AHHPHEHDTH-NH2 (**SEQ ID NO: 23**)

Pep 15A: Ac-EHDTH-NH2 (**SEQ ID NO: 27**)

Please insert the Sequence Listing filed herewith following the Drawings.